Island Oahu Site Elevation 10 ft
Site Ewa Beach Park Site # 1
Coast South Shore
Whale Spotting Probability LOW 0.08
Surface Activity Index N/A

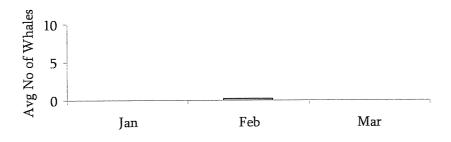


Figure 8 and Table 3. Average number of whales (+Standard Deviation in graph) counted at Ewa Beach Park during nine 15-minute periods between 08:00 am and 12:15 pm between January and March 2002-2005.

Year		Month	
	Jan	Feb	Mar
2002	0	1	0
2003	0	0	0
2004	0	0	0
2005	0	0	0

NO BEHAVIORAL DATA

Island	Oahu			Site Elevat	ion	10-40 ft
Site	Ko Olina	Site #	2			
Coast	Waianae					
Whale	Spotting Probability			LOW	0.75	
Surface	Activity Index			LOW	0.33	

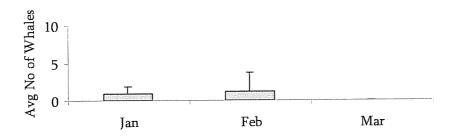


Figure 9 and Table 4. Average number of whales (+Standard Deviation in graph) counted at Ko Olina during nine 15-minute periods between 08:00 am and 12:15 pm between January and March 2002-2005.

Year		Month	
	Jan	Feb	Mar
2002	2	5	0
2003	0	0	0
2004	1	0	0
2005	1	0	0

Table 5. Average number of breaches and body slaps (used as an index of whale surface activity) per whale at Ko Olina over the sampling period.

	Jan		Feb		Mar	
	Breach	Slap	Breach	Slap	Breach	Slap
2002	0.10	0.48	0.41	0.42	0.41	0.42
2003	_		_	-	_	-
2004	0.00	0.31		-	_	***
2005	0.00	0.08			-	
Avg	0.01	0.29	0.41	0.42	0.41	0.42

Island Oahu Site Elevation 100 ft
Site Maili Point Site # 3
Coast Waianae
Whale Spotting Probability MED/HI 2.00

LOW

0.26

Surface Activity Index

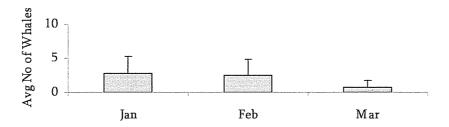


Figure 10 and Table 6. Average number of whales (+Standard Deviation in graph) counted at Maili Point during nine 15-minute periods between 08:00 am and 12:15 pm between January and March 2002-2005.

Year		Month	
	Jan	Feb	Mar
2002	2	5	0
2003	0	1	0
2004	6	0	1
2005	3	4	2

Table 7. Average number of breaches and body slaps (used as an index of whale surface activity) per whale at Maili Point over the sampling period.

	Jan		Fel	b	Mar		
	Breach	Slap	Breach	Slap	Breach	Slap	
2002	_	_	0.14	1.46		_	
2003		-	-		-	-	
2004	0.07	0.28	-	-	0.11	0.11	
2005	0.55	0.07	0.06	0.08	_	-	
Avg	0.31	0.175	0.10	0.77	0.11	0.11	

Island	Oahu			Site Elevation		
Site	Makua Cave	Site #	4			
Coast	Waianae					
Whale	Spotting Probabilit	y		MED/L	1.82	
Surface	Activity Index			LOW	0.35	

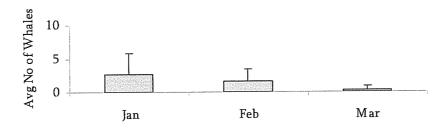


Figure 11 and Table 8. Average number of whales (+Standard Deviation in graph) counted at Makua Cave during nine 15-minute periods between 08:00 am and 12:15 pm between January and March 2002-2005.

Year		Month	
	Jan	Feb	Mar
2002	0	3	0
2003	1	2	0
2004	7	0	1
2005	2	4	_

Table 9. Average number of breaches and body slaps (used as an index of whale surface activity) per whale at Makua Cave over the sampling period.

	Jan		Feb		Mar	
	Breach	Slap	Breach	Slap	Breach	Slap
2002	_	-	1.03	1.06	_	-
2003	0.00	0.29	0.19	0.38	-	
2004	0.04	0.22	-	-	0.14	0.00
2005	0.50	2.20	0.07	0.00		
Avg	0.18	0.90	0.43	0.48	0.14	0.00

Island Oahu Site Elevation 40 ft
Site Kaena Point (West Shore) Site # 5
Coast North Shore
Whale Spotting Probability MED/L 1.78
Surface Activity Index LOW 0.32

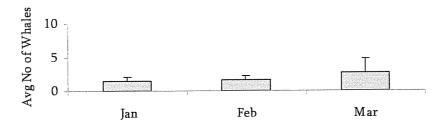


Figure 12 and Table 10. Average number of whales (+Standard Deviation in graph) counted at Kaena Point (West Shore) during nine 15-minute periods between 08:00 am and 12:15 pm between January and March 2002-2005.

Year		Month	
	Jan	Feb	Mar
2002	0		
2003	3	2	0
2004	4	-	2
2005	1	4	0

Table 11. Average number of breaches and body slaps (used as an index of whale surface activity) per whale at Kaena Point (West Shore) over the sampling period.

	Jan		Fel	ь	Mar	
	Breach	Slap	Breach	Slap	Breach	Slap
2002	_		0.70	0.80	_	_
2003	0.00	0.15	0.00	0.31	_	_
2004	0.00	0.00	-	-	0.13	0.00
2005	0.61	1.22	0.05	0.19	0.00	1.00
Avg	0.20	0.46	0.25	0.43	0.07	0.50

Island	Oahu		Site Elevati	20 ft	
Site	Kaena Point (North Shore)	Site #	6		
Coast	North Shore				
Whale Spotting Probability			MED/HI	1.90	
Surface	Activity Index		MED/HI	0.47	

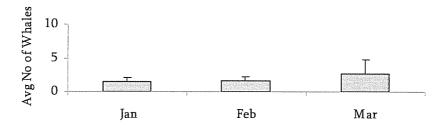


Figure 13 and Table 12 Average number of whales (+Standard Deviation in graph) counted at Kaena Point (North Shore) during nine 15-minute periods between 08:00 am and 12:15 pm between January and March 2002-2005.

Year	Month				
	Jan	Feb	Mar		
2002	2	1	1		
2003	2	2	5		
2004	1	-	-		
2005	1	2	2		

Table 13. Average number of breaches and body slaps (used as an index of whale surface activity) per whale at Kaena Point (North Shore) over the sampling period.

	Jan		Feb		Mar	
	Breach	Slap	Breach	Slap	Breach	Slap
2002	0.23	0.79	0.47	0.46		_
2003	0.09	0.00	0.67	0.00	0.46	0.54
2004	0.94	0.00		_	-	·
2005	0.19	0.52	1.53	0.33	_	-
Avg	0.36	0.33	0.89	0.26	0.46	0.54

Site Elevation 20 ft Island Oahu 7 Site Mokuleia Beach Park Site # North Shore Coast 1.08 MED/L Whale Spotting Probability MED/HI 0.62 Surface Activity Index

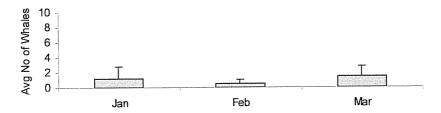


Figure 14 and Table 14 Average number of whales (+Standard Deviation in graph) counted at Mokuleia Beach Park during nine 15-minute periods between 08:00 am and 12:15 pm between January and March 2002-2005.

Year		Month	
	Jan	Feb	Mar
2002	0	-	
2003	3	2	0
2004	4		2
2005	1	4	0

Table 15. Average number of breaches and body slaps (used as an index of whale surface activity) per whale at Mokuleia Beach Park over the sampling period.

	Jan		Feb		Mar	
	Breach	Slap	Breach	Slap	Breach	Slap
2002	-	_	0.70	0.80	-	•••
2003	0.00	0.15	0.00	0.31	-	
2004	0.00	0.00	-		0.13	0.00
2005	0.61	1.22	0.05	0.19	0.00	1.00
Avg	0.20	0.46	0.25	0.43	0.07	0.50

Island Oahu Site Elevation 20 ft
Site Puaena Point Site # 8
Coast North Shore
Whale Spotting Probability LOW 0.64
Surface Activity Index MED/HI 0.74

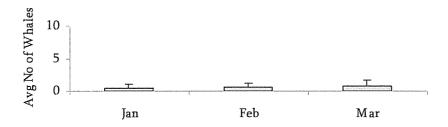


Figure 15 and Table 16. Average number of whales (+Standard Deviation in graph) counted at Puaena Point during nine 15-minute periods between 08:00 am and 12:15 pm between January and March 2002-2005.

Year		Month	
	Jan	Feb	Mar
2002	0	1	0
2003	0	0	0
2004	1	-	1
2005	1	1	2

Table 17. Average number of breaches and body slaps (used as an index of whale surface activity) per whale at Puaena Point over the sampling period.

	Jan		Feb		Mar	
	Breach	Slap	Breach	Slap	Breach	Slap
2002	0.19	0.71	0.63	0.60	2.14	0.71
2003	-	_		-	-	
2004	0.82	3.88	-			
2005	0.17	0.00	0.50	0.00	0.26	0.19
Avg	0.39	1.53	0.57	0.30	1.20	0.45

Island Oahu Site Elevation 30 ft
Site Shark's Cove Site # 9
Coast North Shore
Whale Spotting Probability MED/HI 2.58
Surface Activity Index MED/HI 0.52

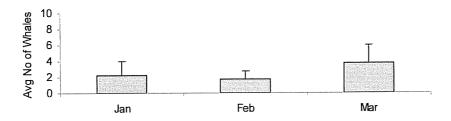


Figure 16 and Table 18. Average number of whales (+Standard Deviation in graph) counted at Shark's Cove during nine 15-minute periods between 08:00 am and 12:15 pm between January and March 2002-2005.

Year		Month	
	Jan	Feb	Mar
2002	3	3	3
2003	0	2	5
2004	2	1	6
2005	4	1	1

Table 19. Average number of breaches and body slaps (used as an index of whale surface activity) per whale at Shark's Cove over the sampling period.

	Jan		Feb		Mar	
	Breach	Slap	Breach	Slap	Breach	Slap
2002	0.31	0.78	0.00	0.12	0.13	0.29
2003	-	_	0.69	0.10	0.74	0.46
2004	1.09	1.56	0.00	0.75	0.11	0.49
2005	0.32	0.91	0.64	0.00	1.35	0.06
Avg	0.57	1.08	0.33	0.24	0.58	0.33

Island Oahu Site Elevation 20 ft
Site Turtle Bay Site # 10
Coast North Shore
Whale Spotting Probability MED/L 1.33
Surface Activity Index MED/HI 1.13

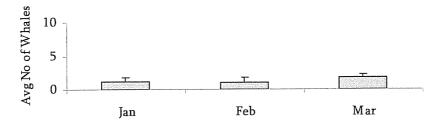


Figure 17 and Table 20 Average number of whales (+Standard Deviation in graph) counted at Turtle Bay during nine 15-minute periods between 08:00 am and 12:15 pm between January and March 2002-2005.

Year		Month	
,	Jan	Feb	Mar
2002	1	2	1
2003	1	1	2
2004	1	0	2
2005	2	1	2

Table 21. Average number of breaches and body slaps (used as an index of whale surface activity) per whale at Turtle Bay over the sampling period.

	Jan		Feb		Mar	
	Breach	Slap	Breach	Slap	Breach	Slap
2002	1.57	0.68	0.50	0.28	0.57	0.29
2003	-	-	0.00	1.14	_	_
2004	0.00	1.30	0.17	0.17	0.50	0.29
2005	0.00	2.62	4.00	8.00	0.43	1.43
Avg	0.52	1.53	1.17	2.4	0.5	0.67

40 ft Site Elevation Oahu Island Site Laie Point Site # 11 North Shore Coast 3.42 HIGH Whale Spotting Probability LOW 0.32 Surface Activity Index

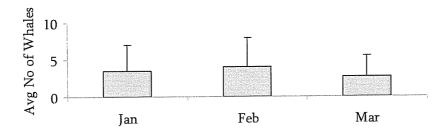


Figure 18 and Table 22. Average number of whales (+Standard Deviation in graph) counted at Laie Point during nine 15-minute periods between 08:00 am and 12:15 pm between January and March 2002-2005.

Year	Month				
	Jan	Feb	Mar		
2002	2	4	2		
2003	5	6	2		
2004	4	4	4		
2005	3	2	3		

Table 23. Average number of breaches and body slaps (used as an index of whale surface activity) per whale at Laie Point over the sampling period.

	Jan		Feb		Mar	
	Breach	Slap	Breach	Slap	Breach	Slap
2002	0.00	0.05	0.10	0.73	0.45	0.43
2003	0.13	1.17	0.07	0.28	-	-
2004	0.29	0.24	0.08	0.00	0.38	1.61
2005	0.11	0.00	0.00	0.20	0.21	0.00
Avg	0.13	0.37	0.06	0.30	0.35	0.68

Island Oahu Site Elevation 0 ft
Site Hauula Beach Park Site # 12
Coast North Shore
Whale Spotting Probability LOW 0.67
Surface Activity Index MED/HI 0.74

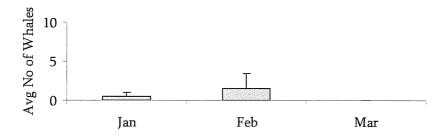


Figure 19 and Table 24 Average number of whales (+Standard Deviation in graph) counted at Hauula Beach Park during nine 15-minute periods between 08:00 am and 12:15 pm between January and March 2002-2005.

Year	Month				
	Jan	Feb	Mar		
2002	0	2	0		
2003	1	0	0		
2004	0	4	0		
2005	1	0	_		

Table 25. Average number of breaches and body slaps (used as an index of whale surface activity) per whale at Hauula Beach Park over the sampling period.

	Jan		Feb		Mar	
	Breach	Slap	Breach	Slap	Breach	Slap
2002	_	<u>-</u>	_			_
2003	0.33	0.67	-		-	_
2004	-		_	-	0.00	3.50
2005	0.25	0.56		_	-	_
Avg	0.29	0.62	0.00	0.00	0.00	3.50

Island Oahu Site Elevation 150 ft

Site Kualoa Ranch (Bunkers) Site # 13

Coast North Shore

Whale Spotting Probability MED/L 1.42

Surface Activity Index MED/HI 0.59

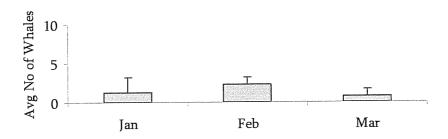


Figure 20 and Table 26. Average number of whales (+Standard Deviation in graph) counted at Kualoa Ranch (Bunkers) during nine 15-minute periods between 08:00 am and 12:15 pm between January and March 2002-2005.

Year		Month	
	Jan	Feb	Mar
2002	0	3	0
2003	0	2	1
2004	1	3	2
2005	4	1	0

Table 27. Average number of breaches and body slaps (used as an index of whale surface activity) per whale at Kualoa Ranch (Bunkers) over the sampling period.

	Jan		Feb		Mar	
	Breach	Slap	Breach	Slap	Breach	Slap
2002	0.38	0.15	0.93	1.11	0.00	0.18
2003	0.00	0.67	-	-	-	-
2004	0.32	0.00	0.82	0.18	0.08	5.67
2005	0.24	0.29	0.06	0.00	0.00	0.00
Avg	0.24	0.28	0.60	0.43	0.03	1.95

Island Oahu Site Elevation 20-100 ft
Site Pyramid Rock Site # 14
Coast Windward Coast
Whale Spotting Probability MED/HI 2.22
Surface Activity Index I.OW 0.23

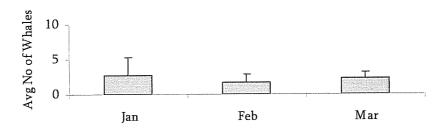


Figure 21 and Table 28. Average number of whales (+Standard Deviation in graph) counted at Pyramid Rock during nine 15-minute periods between 08:00 am and 12:15 pm between January and March 2002-2005.

Year		Month	
	Jan	Feb	Mar
2002	3	1	3
2003	0	1	2
2004	6	3	1
2005	2		3

Table 29. Average number of breaches and body slaps (used as an index of whale surface activity) per whale at Pyramid Rock over the sampling period.

	Jan		Feb		Mar	
	Breach	Slap	Breach	Slap	Breach	Slap
2002	0.20	0.13	0.26	0.13	0.02	0.26
2003	-		0.00	0.59	0.00	0.08
2004	0.17	0.13	0.34	0.47	-	
2005	0.25	0.42	_		0.51	0.10
Avg	0.21	0.23	0.20	0.40	0.18	0.15

Island Oahu Site Elevation 120 ft

Site Mokapu Point Site # 15

Coast Windward Coast

Whale Spotting Probability MED/L 0.47

Surface Activity Index MED/HI 2.08

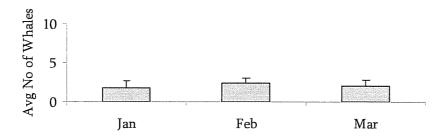


Figure 22 and Table 30. Average number of whales (+Standard Deviation in graph) counted at Mokapu Point during nine 15-minute periods between 08:00 am and 12:15 pm between January and March 2002-2005.

Year		Month	
	Jan	Feb	Mar
2002	1	3	1
2003	2	3	2
2004	1	2	2
2005	3	2	3

Table 31. Average number of breaches and body slaps (used as an index of whale surface activity) per whale at Mokapu Point over the sampling period.

	Jan		Feb		Mar	
	Breach	Slap	Breach	Slap	Breach	Slap
2002	_	_	0.45	0.33	2.22	2.59
2003	0.00	0.00	0.19	1.02	0.15	0.15
2004	-	-	-		0.05	1.40
2005	0.00	0.10	0.08	0.58	0.00	0.97
Avg	0.00	0.05	0.24	0.64	0.61	1.28

Island Oahu Site Elevation 30 ft
Site Lanikai Site # 16
Coast Windward Coast
Whale Spotting Probability LOW 0.61
Surface Activity Index LOW 0.17

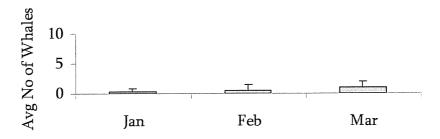


Figure 23 and Table 32. Average number of whales (+Standard Deviation in graph) counted at Lanikai during nine 15-minute periods between 08:00 am and 12:15 pm between January and March 2002-2005.

Year	Month				
	Jan	Feb	Mar		
2002	-	0	-		
2003	0	2	1		
2004	0	0	0		
2005	1	0	2		

Table 33. Average number of breaches and body slaps (used as an index of whale surface activity) per whale at Lanikai over the sampling period.

	Jan		Feb		Mar	
	Breach	Slap	Breach	Slap	Breach	Slap
2002	_		_		_	_
2003	_	-	0.33	0.78	0.11	0.22
2004	0.00	0.00	0.20	0.00	0.00	0.00
2005	0.00	0.16	0.83	0.00	0.43	0.00
Avg	0.00	0.08	0.45	0.26	0.18	0.07

Island Oahu Site Elevation 0 ft

Site Waimanalo Beach Park Site # 17

Coast Windward Coast

Whale Spotting Probability LOW - almost none

Surface Activity Index MED/HI 0.14

NO WHALES EVER SIGHTED DURING THE COUNT, HOWEVER WHALES WERE SIGHTED DURING BEHAVIORAL SAMPLING WHICH OCCURRED BOTH DURING CENSUS PERIODS AND BEFORE AND AFTER THEM.

Table 34. Average number of whales (+Standard Deviation in graph) counted at Waimanalo Beach Park during nine 15-minute periods between 08:00 am and 12:15 pm between January and March 2002-2005.

Year	Month				
	Jan	Feb	Mar		
2002	0	0	0		
2003	0	0	0		
2004	0	0	0		
2005	0	0	0		

Table 35. Average number of breaches and body slaps (used as an index of whale surface activity) per whale at Waimanalo Beach Park over the sampling period.

	Jan		Fel	Feb		ar
	Breach	Slap	Breach	Slap	Breach	Slap
2002	_	_	_		0.29	0.09
2003	-	-	-	-	-	
2004	-	-	-	-	0.25	0.5
2005	_	-	0.00	0.00	-	_
Avg	_	_	0.00	0.00	0.27	0.30

Island Oahu Site Elevation 400 ft

Site Makapuu Point Lighthouse Site # 18

Coast Windward Coast

Whale Spotting Probability HIGH 4.67

Surface Activity Index MED/HI 0.55

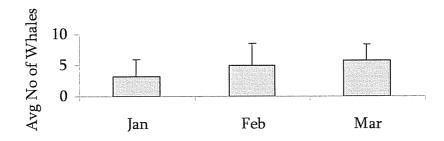


Figure 24 and Table 36. Average number of whales (+Standard Deviation in graph) counted at Makapuu Point Lighthouse during nine 15-minute periods between 08:00 am and 12:15 pm between January and March 2002-2005.

Year		Month	
	Jan	Feb	Mar
2002	0	8	8
2003	6	3	6
2004	2	8	7
2005	5	1	2

Table 37. Average number of breaches and body slaps (used as an index of whale surface activity) per whale at Makapuu Point Lighthouse over the sampling period.

	Jan		Feb		Mar	
	Breach	Slap	Breach	Slap	Breach	Slap
2002	-	_	0.12	0.23	0.21	0.50
2003	0.13	0.48	1.72	0.44	0.48	0.93
2004	0.45	0.86	0.59	1.43	0.14	0.13
2005	0.00	0.00	0.78	0.32	2.41	0.25
Avg	0.19	0.45	0.80	0.60	0.81	0.45

Island Oahu Site Elevation 70 ft
Site Halona Blowhole Site # 19
Coast Windward Coast
Whale Spotting Probability HIGH 3.33
Surface Activity Index MED/L 0.44

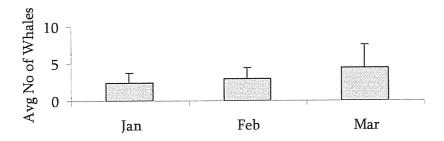


Figure 25 and Table 38. Average number of whales (+Standard Deviation in graph) counted at Halona Blowhole during nine 15-minute periods between 08:00 am and 12:15 pm between January and March 2002-2005.

Year	Month				
	Jan	Feb	Mar		
2002	1	4	8		
2003	4	3	3		
2004	2	4	6		
2005	3	1	1		

Table 39. Average number of breaches and body slaps (used as an index of whale surface activity) per whale at Halona Blowhole over the sampling period.

	Jan		Feb		Mar	
	Breach	Slap	Breach	Slap	Breach	Slap
2002	0.10	0.40	0.34	0.13	0.17	0.11
2003	0.23	0.77	-		0.23	<i>1.75</i>
2004	0.42	1.73	0.06	0.32	0.09	0.59
2005	0.12	0.07	0.38	0.70	1.20	0.07
Avg	0.22	0.74	0.26	0.38	0.42	0.63

80 ft Site Elevation Oahu Island 20 Lanai Lookout Site # Site Coast Windward Coast Whale Spotting Probability HIGH 3.41 MED/HI 0.58 Surface Activity Index

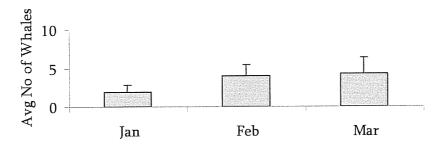


Figure 26 and Table 40. Average number of whales (+Standard Deviation in graph) counted at Lanikai Lookout during nine 15-minute periods between 08:00 am and 12:15 pm between January and March 2002-2005.

Year	Month				
	Jan	Feb	Mar		
2002	1	4	6		
2003	3	5	3		
2004	2	5	6		
2005	2	2	2		

Table 41. Average number of breaches and body slaps (used as an index of whale surface activity) per whale at Lanikai Lookout over the sampling period.

	Jan		Feb		Mar	
	Breach	Slap	Breach	Slap	Breach	Slap
2002	0.53	0.67	0.38	0.31	0.17	0.17
2003	0.77	0.27	0.42	0.05	1.52	1.26
2004	0.20	0.00	0.31	0.74	0.43	1.04
2005	0.00	0.00	0.31	0.96	2.56	0.13
Avg	0.50	0.31	0.36	0.51	1.17	0.65

Island Oahu Site Elevation 80-120 ft
Site Hanauma Bay Site # 21
Coast Windward Coast
Whale Spotting Probability HIGH 3.69
Surface Activity Index LOW 0.30

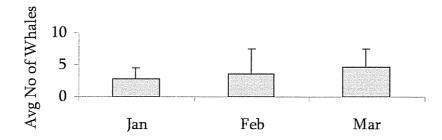


Figure 27 Table 42. Average number of whales (+Standard Deviation in graph) counted at Hanauma Bay during nine 15-minute periods between 08:00 am and 12:15 pm between January and March 2002-2005.

Year	Month					
	Jan	Feb	Mar			
2002	1	2	3			
2003	5	8	3			
2004	3	-	8			
2005	2	1	-			

Table 43. Average number of breaches and body slaps (used as an index of whale surface activity) per whale at Hanauma Bay over the sampling period.

	Jan		Feb		Mar	
	Breach	Slap	Breach	Slap	Breach	Slap
2002	0.20	0.67	_	_	0.18	0.09
2003	0.15	0.08	0.05	0.13	0.51	0.85
2004	0.45	0.00	-	-	0.09	0.82
2005	0.78	0.28	0.38	0.05		-
Avg	0.40	0.26	0.22	0.09	0.26	0.59

50 ft Site Elevation Island Oahu 22 Site **Spitting Caves** Site # Coast Windward Coast 4.00 Whale Spotting Probability HIGH LOW 0.26 Surface Activity Index

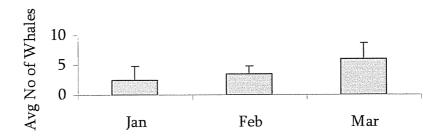


Figure 28 and Table 44. Average number of whales (+Standard Deviation in graph) counted at Spitting Caves during nine 15-minute periods between 08:00 am and 12:15 pm between January and March 2002-2005.

Year	Month				
	Jan	Feb	Mar		
2002	1	5	8		
2003	2	3	3		
2004	1	4	7		
2005	6	2	-		

Table 45. Average number of breaches and body slaps (used as an index of whale surface activity) per whale at Spitting Caves over the sampling period.

	Jan		Feb		Mar	
	Breach	Slap	Breach	Slap	Breach	Slap
2002	_		0.26	0.16	0.00	0.26
2003	0.07	0.07	0.06	0.14	0.16	1,26
2004	0.25	0.00	0.31	0.77	0.15	0.75
2005	0.27	0.13	0.02	0.00	_	V=-
Avg	0.20	0.07	0.16	0.27	0.10	0.76

Site Elevation 120 ft Island Oahu Site Diamond Head Lookout Site # 23 South Shore Coast 1.91 Whale Spotting Probability MED/HI MED/L 0.38 Surface Activity Index

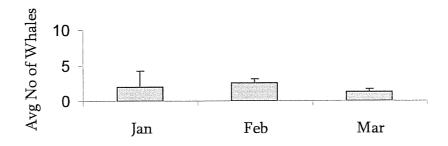


Figure 29 Table 46. Average number of whales (+Standard Deviation in graph) counted at Diamond Head Lookout during nine 15-minute periods between 08:00 am and 12:15 pm between January and March 2002-2005.

Year	Month				
	Jan	Feb	Mar		
2002	1	3	1		
2003	2	2	2		
2004	0	2	1		
2005	5	3	1		

Table 47. Average number of breaches and body slaps (used as an index of whale surface activity) per whale at Diamond Head Lookout over the sampling period.

	Jan		Feb		Mar	
	Breach	Slap	Breach	Slap	Breach	Slap
2002	_		0.49	0.48	0.13	0.00
2003	0.00	0.00	_	700	-	-
2004	-	-	0.00	0.33	0.00	0.65
2005	0.05	0.17	0.77	1.03	2.33	0.33
Avg	0.03	0.08	0.42	0.61	0.82	0.33

Island Oahu Site Elevation 0-10 ft Site Magic Island Site # 24 Coast South Shore Whale Spotting Probability LOW 0.58 Surface Activity Index MED/L 0.37

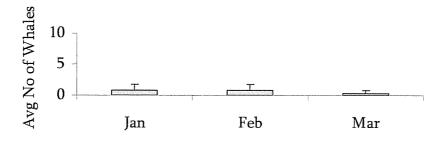


Figure 30 and Table 48. Average number of whales (+Standard Deviation in graph) counted at Magic Island during nine 15-minute periods between 08:00 am and 12:15 pm between January and March 2002-2005.

Year	Month			
	Jan	Feb	Mar	
2002	2	0	0	
2003	1	1	0	
2004	0	0	0	
2005	0	2	1	

Table 49. Average number of breaches and body slaps (used as an index of whale surface activity) per whale at Magic Island over the sampling period.

	Jan		Feb		Mar	
	Breach	Slap	Breach	Slap	Breach	Slap
2002		-	-	₩ -	-	-
2003	-	-	1.19	2.12		
2004	-	-	-	-	-	_
2005	0.00	0.50	0.17	0.00	0.00	0.00
Avg	0.00	0.50	0.68	1.06	0.00	0.00

Island Oahu Site Elevation 20-60 ft
Site Kakaako Beach Park Site # 25
Coast South Shore
Whale Spotting Probability LOW 0.97
Surface Activity Index MED/HI 0.48

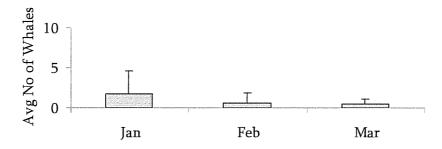


Figure 31 Table 50. Average number of whales (+Standard Deviation in graph) counted at Kakaako Beach Park during nine 15-minute periods between 08:00 am and 12:15 pm between January and March 2002-2005.

Year	Month			
	Jan	Feb	Mar	
2002	1	0	0	
2003	0	2	0	
2004	0	-	1	
2005	6	0	1	

Table 51. Average number of breaches and body slaps (used as an index of whale surface activity) per whale at Kakaako Beach Park over the sampling period.

	Jan		Feb		Mar	
	Breach	Slap	Breach	Slap	Breach	Slap
2002	_	-	_		-	
2003		-	0.32	1.84	-	-
2004	-	_	-	-	0.55	0.55
2005	0.00	0.00	_	-	0.33	0.00
Avg	0.00	0.00	0.32	1.84	0.44	0.28